



BLASTEK A / IA

Aluminium blast resistant doors and partition

Fichet blast resistant doors have been specially developed for sensitive sites exposed to the risks of accidental (industrial hazards) or terrorist explosions, whilst maintaining an elegant and seamless appearance.

The BlasTek range has been tested by independent laboratories for compliance with the relevant EN 13123/4 European standards.

Armour-plated aluminium profiles create an ideal solution for combining elegance and functional efficiency.

The ease of integration into the building, the high degree of design choice including dimensions, finishes and colours mean that the BlasTek doors are versatile and can be used for building refurbishments as well as new constructions. Additionally the BlasTek range offers a selection of partitions and windows to allow for the design of complete façade or enclosure solutions.



Did you know?

Fichet ranges also include fire doors combining protection against blast, burglary and armed attack risks. See our VulTek+ S security doors brochure.

BLASTEK A / IA

Material

- Framework: Extruded aluminium profile
- Infill: Laminated security glass or solid infill
- Finish: Powder coat to RAL 9010, 9006, 7035 or 7037

Standard equipment

- Locking: 3-point mechanical Euro Lock
- Handle: Lever handle on both secure and blast sides

Construction

- Outward opening on standard models
- DIN: Left or right
- Standard opening width: 900mm

Reference standard

The BlasTek blast resistant range is tested and certified for the complete doorset (frame and infill material as well as locking device and accessories) according to the relevant standard:

- EN 13123/4-1 for industrial hazard or car-bomb explosions (shock tube tests)
- EN 13123/4-2 for parcel-bomb explosions (outdoor tests)

KEY FEATURES

- Elegant and seamless appearance
- Certified resistance
- Versatility (flexible dimensions and finishings)
- Complementary blast resistant partitions
- Multi-resistance features

MODELS

- BlasTek AF: Industrial Hazards
- BlasTek AT: Industrial Hazards and Car Bombs
- BlasTek EX: Parcel Bombs

OPTIONS

- Alternative RAL colours or anodised finish
- High security cylinder
- Mechanical/electrical lock with automatic relocking device
- Push buttons
- Choice of handle types
- Panic bar
- Combined bullet resistance and/or break-in
- I/O contacts for external alarm systems

DOORS

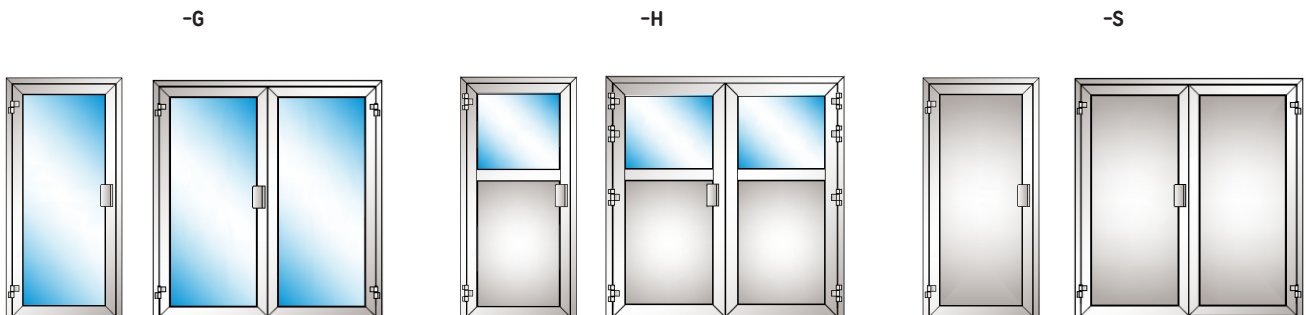
Standard technical specifications				
Model	BlasTek A AF20-S Lite	BlasTek A AF20-G Lite	BlasTek A AF50-S	BlasTek A AF50-G
Type Test	BlasTek AF: Industrial hazards Shock tube tested			
Reflected pressure peak	22kPa for 300ms		50 kPa for 300ms	
Reference standard	EN 13123/4-1			
Leaf options	Single Double		Single Double	
Total standard width (Single Double)	1100 2100		1150 2150	
Total standard height	2130		2130	
Aluminium framework	60mm-thick		80mm-thick	
Infill	Solid	Glazed	Solid	Glazed
Standard technical specifications				
FB2 bullet resistance	-	-	●	●
FB5 bullet resistance	-	-	○	○
FB6 bullet resistance	-	-	○	-
FB7 bullet resistance	-	-	○	-
Non standard width (Single Double)	880-1150 1580-2170		880-1150 1580-2170	
Non standard height	2090-2150		2090-2150	
Electric locking	○		○	

- Standard version
- Optional
- Not available

BLASTEK A / IA

Standard technical specifications								
Model	BlasTek A AT25-S	BlasTek A AT25-G	BlasTek A AT50-S	BlasTek A AT50-G	BlasTek A AT100-S	BlasTek A AT100-G	BlasTek A AT150-S	BlasTek A AT150-G
Type Test	BlasTek AT: Industrial hazards and car bomb Shock tube tested							
Reflected pressure peak	25kPa for 35ms		50 kPa		100kPa		150kPa	
Reference standard	EN 13123/4-1		EN 13123/4-1 - EPR1 (20 ms)		EN 13123/4-1 - EPR2 (20 ms)		EN 13123/4-1 - EPR3 (20 ms)	
Leaf options	Single Double		Single Double		Single Double		Single Double	
Total standard width (Single Double)	1150 2150		1150 2150		1150 2150		1150 2150	
Total standard height	2130		2130		2130		2130	
Aluminium framework	80mm-thick		80mm-thick		80mm-thick		80mm-thick	
Infill	Solid	Glazed	Solid	Glazed	Solid	Glazed	Solid	Glazed*
Standard technical specifications								
FB2 bullet resistance	●	-	●	-	●	●	●	●
FB5 bullet resistance	○	○	○	○	○	○	○	**
FB6 bullet resistance	○	-	○	-	○	-	○	-
FB7 bullet resistance	○	-	○	-	○	-	○	-
Non standard width (Single Double)	880-1150 / 1580-2170		880-1150 / 1580-2170		880-1150 / 1580-2170		880-1150 / 1580-2170	
Non standard height	2090-2150		2090-2150		2090-2150		2090-2150	
Electric locking	○		○		○		○	

● Standard version ○ Optional - Not available ** With 2 horizontal mullions



Note: door infills may depend on the level of certified resistance required

BLASTEK A / IA

Standard technical specifications		
Model	BlasTek IA AT50-S	BlasTek IA AT50-G
Type Test	BlasTek AT: Industrial hazards and car bomb Shock tube tested	
Reflected pressure peak	60 kPa for 20ms	
Reference standard	EN 13123/4-1 - EPR1 (20 ms)	
Leaf options	Single Double **	
Total standard width (Single Double)	1150	
Total standard height	2590	
Aluminium framework	RPT 92 mm-thick *	
Infill	Solid	Glazed
Standard technical specifications		
FB2 bullet resistance	●	●
FB5 bullet resistance	●	●
FB6 bullet resistance	●	○
FB7 bullet resistance	-	-
Non standard width (Single Double)	Mini 980/ 1150	
Non standard height	Mini 2030 2590	
Electric locking	○	

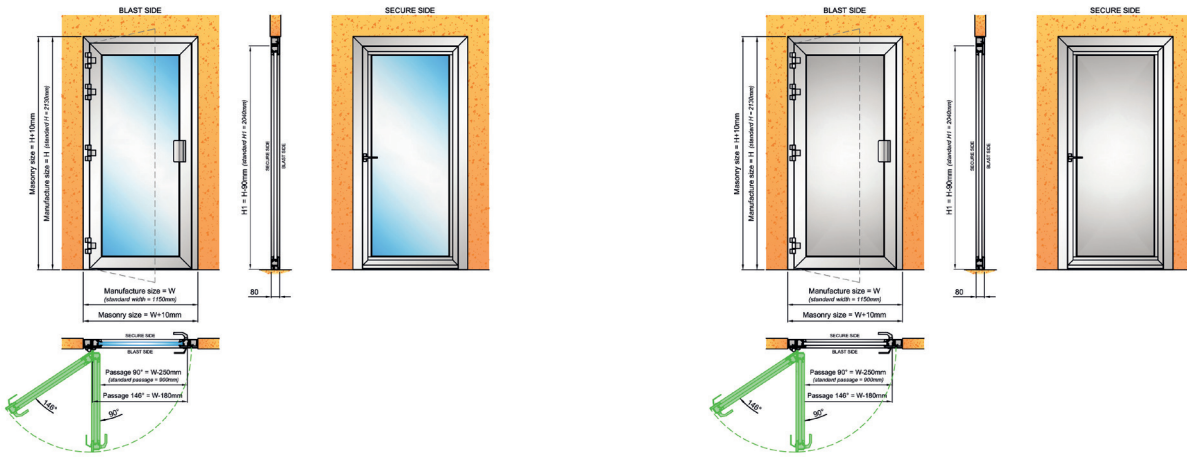
- Standard version
- Optional
- Not available
- * Insulating aluminum profile with thermal break
- ** For 2-leaf door contact us

Standard technical specifications					
Model	BlasTek IA EX3-S	BlasTek IA EX3-G	BlasTek A EX4-S	BlasTek A EX4-G	BlasTek A EX4-H
Type Test	BlasTek EX: Parcel bomb Outdoor trial				
Reflected pressure peak	12 kg TNT 5,5 m		12 kg TNT 4 m		
Reference standard	EN 13123/4-2 - EXR3		EN 13123/4-2 - EXR4		
Leaf options	Single		Single		
Total standard width (Single Double)	1150		1150		
Total standard height	2130		2130		
Aluminium framework	RPT 92 mm-thick *		80mm-thick		
Infill	Solid	Glazed	Solid	3 glazing (2 mullions)	1 Glazing + 1 panel (1 mullion)
Standard technical specifications					
FB2 bullet resistance	●	●	●	●	●
FB5 bullet resistance	○	○	●	●	●
FB6 bullet resistance	○	○	●	●	●
FB7 bullet resistance	-	-	○	-	-
Non standard width (Single Double)	880-1150		880-1150		
Non standard height	2090-2130		2090-2130		
Electric locking	○		○	-	○

- Standard version
- Optional
- Not available
- * Insulating aluminum profile with thermal break

BLAS TEK A / IA

Site preparation



Enclosed drawings are representative of BlasTek A single leaf versions. For dimensions of BlasTek A double leaf versions, refer to the BlasTek A "Technical Specifications" section.

FIXED PARTITIONS

Standard technical specifications				
Model	BlasTek A AF20-S Lite	BlasTek A AF20-G Lite	BlasTek A AF50-S	BlasTek A AF50-G
Type Test	BlasTek AF: Industrial hazards Shock tube tested			
Reflected pressure peak	22 kPa for 300ms		50 kPa for 300ms	
Reference standard	EN 13123/4-1			
Total standard width	1150		940	1150
Total standard height	2150		1990	2150
Aluminium framework	60mm-thick		80mm-thick	
Infill	-	Glazed	Solid	Glazed
Standard technical specifications				
FB2 bullet resistance	-	-	●	●
FB5 bullet resistance	-	-	○	○
FB6 bullet resistance	-	-	○	-
FB7 bullet resistance	-	-	○	-

● Standard version ○ Optional - Not available

BLASTEK A / IA

Standard technical specifications								
Model	BlasTek A AT25-S	BlasTek A AT25-G	BlasTek A AT50-S	BlasTek A AT50-G	BlasTek A AT100-S	BlasTek A AT100-G	BlasTek A AT150-S	BlasTek A AT150-G
Type Test	BlasTek AT: Industrial hazards and car bomb Shock tube tested							
Reflected pressure peak	25 kPa for 20ms		50 kPa		100 kPa		150 kPa	
Reference standard	EN 13123/4-1		EN 13123/4-1 - EPR1 (20 ms)		EN 13123/4-1 - EPR2 (20 ms)		EN 13123/4-1 - EPR3 (20 ms)	
Total standard width	1150		1150		940	940	940	940 **
Total standard height	2150		2150		1990	1990	1990	1990 **
Aluminium framework	80mm-thick		80mm-thick		80mm-thick		80mm-thick	
Infill	Solid	Glazed	Solid	Glazed	Solid	Glazed	Solid	Glazed
Standard technical specifications								
FB2 bullet resistance	●	○	●	●	●	●	●	●
FB5 bullet resistance	○	○	○	○	○	○	○	○
FB6 bullet resistance	○	○	○	○	○	○	○	○
FB7 bullet resistance	○	-	○	-	○	-	○	-

● Standard version ○ Optional - Not available ** With 2 horizontal mullions

Standard technical specifications						
Model	BlasTek IA AT100-S	BlasTek IA AT100-G	BlasTek IA AT100-S	BlasTek IA AT100-G	BlasTek IA AT150-S	BlasTek IA AT150-G
Type Test						
Reflected pressure peak	105 kPa for 25ms		104 kPa for 28ms		151 kPa for 37ms	
Reference standard	EN 13123/4-1 - EPR2		EN 13123/4-1 - EPR2		EN 13123/4-1 - EPR3	
Total standard width	-	1230	-	890	-	890
Total standard height	-	2400	-	1640	-	1640
Aluminium framework*	92 mm-thick		160 mm-thick		160 mm-thick	
Infill	Solid	Glazed	Solid	Glazed	Solid	Glazed
Spécifications / avec options						
FB2 bullet resistance	-	●	-	●	-	●
FB4 bullet resistance	-	●	-	●	-	●
FB6 bullet resistance	-	-	-	●	-	●
FB7 bullet resistance	-	-	-	○	-	○

● Standard version ○ Optional - Not available * Insulating aluminum profile with thermal break

BLASTEK A / IA

Standard technical specifications				
Model	BlasTek IA EX3-S	BlasTek IA EX3-G	BlasTek IA EX4-S	BlasTek IA EX4-G
Type Test	BlasTek EX: Parcel bomb Outdoor trial			
Reflected pressure peak	12 kg TNT 5,5 m		12 kg TNT 4 m	
Reference standard	EN 13123/4-2 - EXR3		EN 13123/4-2 - EXR4	
Total standard width	960	1150	1010	1150
Total standard height	1980	2130	2040	2130
Aluminium framework	RPT 92 mm-thick *		RPT 160 mm-thick *	
Infill	Solid	Glazed	Solid	Glazed
Standard technical specifications				
FB4 bullet resistance	●	●	●	●
FB5 bullet resistance	○	○	●	●
FB6 bullet resistance	○	○	●	●
FB7 bullet resistance	-	-	○	○

● Standard option ○ Optional equipment - Not available * Insulating aluminum profile with thermal break

Notices

- The product performance depends upon the quality of its installation. All installation details are provided in the BlasTek A installation manual.
- A door stop is recommended to prevent any damage to the door closer.
- Any modification of a certified doorset by adding non factory fitted device may result in the loss of certification. Contact Fichet for more information.
- Certificates for blast and bullet resistance are available on demand. Contact Fichet for any certificates request.



FICHET

www.fichetgroup.com